

From wang!elf.wang.com!ucsd.edu!info-hams-relay Fri Apr 19 14:48:23 1991 remote  
from tosspot  
Received: by tosspot (1.64/waf)  
via UUCP; Sat, 20 Apr 91 12:28:10 EST  
for lee  
Received: from somewhere by elf.wang.com  
id aa11749; Fri, 19 Apr 91 14:48:22 GMT  
Received: from ucsd.edu by relay1.UU.NET with SMTP  
(5.61/UUNET-shadow-mx) id AA01250; Fri, 19 Apr 91 09:52:55 -0400  
Received: by ucsd.edu; id AA23500  
sendmail 5.64/UCSD-2.1-sun  
Fri, 19 Apr 91 04:30:32 -0700 for nixbur!schroeder.pad  
Received: by ucsd.edu; id AA23496  
sendmail 5.64/UCSD-2.1-sun  
Fri, 19 Apr 91 04:30:29 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/  
lqueue -oi -finfo-hams-relay info-hams-list  
Message-Id: <9104191130.AA23496@ucsd.edu>  
Date: Fri, 19 Apr 91 04:30:27 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams-relay@ucsd.edu>  
Reply-To: Info-Hams@ucsd.edu  
Subject: Info-Hams Digest V91 #306  
To: Info-Hams@ucsd.edu

Info-Hams Digest                      Fri, 19 Apr 91                      Volume 91 : Issue 306

Today's Topics:

50 to 75 ohm transformer???

Adjust frequency of 4 terminal, rectangular oscillators?

AO-21 QUESTION

Ban on Linears on Ten Meters

High(?) Speed CW

No-Code Testing - Who is to adm.

Ten-Tec

Where to get a part or two

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 18 Apr 91 03:24:29 GMT  
From: hpl-opus!hpnmdla!alanb@hplabs.hpl.hp.com  
Subject: 50 to 75 ohm transformer???  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, joseph@panix.uucp (Joseph R. Skoler) writes:

>I have at my disposal 3/4 inch hardline (about 2000 feet of it) and would  
>love to put it to good use. The problem is, it's 75 ohm stuff.

Someone asked me by E-mail about connectors. When I tried to reply, it bounced. Oh well, others may be interested also.

The problem with hardline connectors is they are hard to find, and even if you can find them you probably don't want to pay for them. The last time I looked they were around \$30 each, and they are probably more now.

One size of hardline (I think it is the 5/8") has a center conductor that fits nicely into the center contact of an S0-239 UHF female connector. The shield is about the same diameter as the S0-239 shell. This means you can plug a double-female ("barrel") connector onto the end of the cable, wrap a piece of thin aluminum sheet around the outside to connect the shield and clamp it down with a couple of hose clamps for strength. I then coated the whole thing in epoxy for watertightness.

On the "shack" end of the coax, you don't have to worry about water tightness, so I just cut a hole in a minibox and ran the coax through the hole. I used a metal cable clamp to ground the shield and provide mechanical support. The matching network was in the box, connected to a S0-239 connector on the 50-ohm end.

The other question was: "how do you adjust the antenna's gamma match for 75 ohms?"

What I did was to temporarily connect a 150-ohm resistor in parallel with the feed point and tune for lowest SWR on a 50-ohm SWR meter. (150 ohms in parallel with 75 ohms = 50 ohms.)

73

AL N1AL

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Date: 18 Apr 91 21:18:35 GMT  
From: ogicse!orstcs!@ucsd.edu  
Subject: Adjust frequency of 4 terminal, rectangular oscillators?  
To: info-hams@ucsd.edu

I am making a small low power transmitter as an alarm system for my bicycle. It will have a small motion sensitive switch inside and will transmit when if the bike is moved. I would like to transmit audio picked up by a small mike, or at least I need to modulate the signal so I can hear it on my scanner.

For space saving and cost reasons I would like to use one of those small can oscillators with 4 terminals. The only problem is how to modulate either the amplitude or the frequency of this device. I have noticed that varying supply voltage changes both the amplitude and frequency. Is this the best way?

I don't have any spec sheets on these oscillators but I have determined V+, V-, and the output. The other pin seems to be no connection.

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Date: 14 Apr 91 07:20:20 GMT  
From: kb2ear!overlf!n2aam@RUTGERS.EDU  
Subject: A0-21 QUESTION  
To: info-hams@ucsd.edu

Does anyone in netland know what is the story with A0-21? When will the transponders be put on line? Any information would be appreciated.

Dave Marthouse N2AAM

Unix: n2aam@kb2ear.ampr.ORG

Fido: dave marthouse 1:107/323

Packet: n2aam @ w2emu-4.nj.usa.na

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Date: 17 Apr 91 14:56:44 GMT

From: hpda!hpcupt1!holly@hplabs.hpl.hp.com  
Subject: Ban on Linears on Ten Meters  
To: info-hams@ucsd.edu

I really don't think we are paying for the sins of the CB crowd. Just about any commercial linear can be quickly and easily converted to full operation on 10 meters. After you buy the amplifier send a copy of your license along with the warranty card and in the return mail comes the instructions and parts to modify the amplifier to operate on 10 meters. So you have to wait a week or two before you can use the amp on 10 meters, but 100 watts and a beam is a very commanding signal on 10 meters.

Jim, WA6SDM  
holly@hpcupt1.cup.hp.com

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Date: 18 Apr 91 19:10:29 GMT  
From: chiles.slisp.cs.cmu.edu!chiles@pt.cs.cmu.edu  
Subject: High(?) Speed CW  
To: info-hams@ucsd.edu

I'd like some serious CW types to discuss their "breaking the barrier". I can just barely write 25 WPM, but this is stressful for QSOs and not fully reliable under poor conditions. Also, after copying a few minutes of that, I can barely use my forearm to drive my key. Do people consider 25-30 WPM high speed? Are these just the barrier speeds? Am I supposed to start head copying? I can hear 30 WPM, but I'm sort of incredulous about ever writing this speed. I know I can type well over 30 WPM, but I wonder how convenient that is? Is this the way I have to go, if not with head copying? Whatever I do now, do I have to take two steps backwards, so I can take 3-4 steps forward; that is, head copying and typing are going to take some time to precederalize the neural net, and before that happens, the new method is just going to get in the way.

So, what are the methods for breaking 30 WPM? I'm have a hard time head copying because I get lost after one or two words, and more than 4-5 character strings get me lost within a single word. I just can't remember what I've heard, but maybe I'm thinking too much. How do people do it, and how do you go about getting there?

I hope someone can help, or at least provide me with inspiration by reporting your comfortable CW speed at or over 30 WPM and your method of copy.

Thanks,  
Bill

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Date: 18 Apr 91 14:00:48 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: No-Code Testing - Who is to adm.  
To: info-hams@ucsd.edu

Tim Wright recently (V91 #384) wrote:

"I'm ready to test for the no-code tech but all the VE's I have contacted tell me that they aren't alloud to test the new no-code prospects.

I have asked at least 15 different VE's in 75 mile radious of where I live.

I'm confused.....Who is aloud to test the new no-code prospects."

This is almost beyond belief! We have already held two sessions here in the Rochester, NY area (2/16 & 3/16) at which we tested 'no-code' technicians. The process is the same as before except no code test was administered. I'll not go into details concerning the paperwork, that is the contact VE's responsibility and should not concern the examinee.

Your mail note gives me no clue of your location; if I knew what city you lived in or near I could possibly find the name of a contact VE in your area who knew what to do for testing new technician candidates. Send me a mail note with your phone number and address.

I have a question, however. You stated that 'I've already filled

out the envelope and I'm ready to send out the paper work.' What paperwork are you sending out and to whom?

73 and good luck.  
Lou Kohnen K2ANC  
W5YI VE#3182  
Xerox Corporation  
800 Phillips Rd.  
Bldg. 128-53E  
Webster, NY 14580  
(716) 422-3899

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Date: 17 Apr 91 20:24:50 GMT  
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com  
Subject: Ten-Tec  
To: info-hams@ucsd.edu

> I saw in a recent issue of Signal Magazine (AFCEA) that Ten-Tec has  
> a GSA contract number and is selling to the US government. GOOD WORK

> TEN-TEC!  
>  
> I also have reliable word that production was at max during Desert Storm  
> producing Paragons for MARS use. Maybe that's why the new rigs are so  
> behind schedule.

Maybe now Ten-Tec can fold some of the profit back into R&D and create  
a radio that the rest of us can afford. I'm tired of being forced to  
buy overseas by their ridiculous \$/feature ratio.

Perry / KF0CA

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Date: 17 Apr 91 22:06:28 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!think.com!mintaka!bloom-beacon!eru!  
hagbard!sunic!mcsun!hp4nl!phigate!philica!geertj@ucsd.edu  
Subject: Where to get a part or two  
To: info-hams@ucsd.edu

In article <3031@ksr.com> jfw@ksr.com (John F. Woods) writes:  
>Does anyone know where I could buy one or two of either the  
>Signetics NE-604 (the FM IF chip, not the famous 602 mixer)  
>or the Motorola MC-3362? As usual, the really interesting parts  
>aren't available from the usual small-quantify vendors (at least  
>none of those I have catalogs from).

Note that I won't do this except for the fact that the guy mentioned below  
made a shop out of the frustration to obtain RF parts these days.

If you can't find some, try Dolstra Electronics in Veenwoudsterwal, Holland.

NE604N Dfl 24,50

MC3362 Dfl 19,50

He can be reached by FAX on +31 5110 3344.

I don't have any connections with him. Maybe this helps someone.

73, Geert Jan PE1HZG

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Date: 18 Apr 91 18:54:20 GMT  
From: decwrl!news.crl.dec.com!shlump.nac.dec.com!yacht.enet.dec.com!  
gettys@decwrl.dec.com  
To: info-hams@ucsd.edu

References <1600@west.West.Sun.COM>, <22076@shlump.nac.dec.com>,  
<1614@west.West.Sun.COM>.d

Reply-To : gettys@yacht.enet.dec.com (Bob Gettys)  
Subject : Re: The IC-W2A: A Floor Wax AND a Dessert Topping!

In article <1614@west.West.Sun.COM>, flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-5537 x17) writes:

|>A friend of mine here has just received the out-of-band transmit mod  
|>and has installed it. It's the typical 3-legged surface mount diode  
|>soldering trick. ICOM fax'ed him the info in about a day. I'll post  
|>the procedure as soon as I get it from him. He had a couple of  
|>interesting things to say about it:  
|>  
|>The vhf and uhf sections are totally separated into nice little "packages"  
|>that are enclosed in metal. Each one has a molded connector and the  
|>two pieces stack together inside. Very easy to disassemble.  
|>  
|>Once installed, the radio transmits from 390 to 470 MHz (don't know  
|>about 2M). Receive sensitivity still good in the low 400 range.  
|>  
|>I asked him about cross-band repeat and he said that he didn't know,  
|>that he had only received the mod for MARS/CAP.  
|>

That is good news. However, the mods mentioned here before for opening up the receive and the all digit entries also opens up the VHF portion for CAP/MARS (i.e. from 140 to 150MHz!) with no internal mods needed. Along with the ability to set in an odd split freq to the 5khz level in the call channel (I still haven't tried setting an odd split into a standard memory channel, it might work - but the call channel makes note of this capability in the manual), it makes for a real simple unit to get onto MARS/CAP

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Date: 19 Apr 91 04:22:29 GMT  
From: news-mail-gateway@ucsd.edu  
To: info-hams@ucsd.edu

References Faunt, N6TQS, 415-688-8269)  
Subject : HT's - what's good, what's not?

If I were money-constrained right now, but wanted a good dual-band HT, I'd buy a used IC24AT. There will be a number on the market at good prices, since the IC W2 is now out, and is even neater. The '24 is a very nice rig.  
73, doug

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End of Info-Hams Digest

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